Listing of Claims

1. (Currently Amended) A method for providing actual scale information of a digital raster image, comprising:

   digitizing a paper document using a digitizing device to create a digital raster image;

   recording scale information associated with the paper document and the digitizing device;

   embedding the scale information in a dedicated location of a header of the digital raster image;

   storing the digital raster image ~~and the embedded scale information~~ as a single file, wherein said embedded scale information is embedded in said dedicated location of said header of said single file; and

   providing a digital image viewer for,

     rendering the digital raster image,

     receiving drawing input from a user comprising a line or a shape,

     calculating a true scale measurement of the drawn line or shape based at least in part on the embedded scale information in said dedicated location of said header of said single file, and

     presenting the true scale measurement to the user via the viewer.

2. (Original) The method of claim 1, wherein the scale information includes an original scale of the paper document, a dots per inch (DPI) of the digitizing device, and an original size of the paper drawing.

3. (Previously Cancelled)

4. (Previously Amended) The method of claim 1, wherein the digital raster image is a TIFF image.

5. (Previously Amended) The method of claim 4, wherein embedding the scale

information in a header of the digital raster image comprises embedding the scale

information in a header of the TIFF image.

6.   (Currently Amended) A computer-based method for providing true scale

information of a digital raster image made from a paper document by a digitizing device,

comprising:

         receiving a digital raster image, wherein the digital raster image has scale

information of the paper document and the digitizing device embedded in <u>a dedicated</u>

<u>location of</u> a header of the digital raster image;

         rendering the digital raster image;

         receiving drawing input from a user comprising a line or shape;

         calculating a true scale measurement of the drawn line or shape based at least in

part on the scale information <u>embedded in said dedicated location of said header of the</u>

<u>digital raster image</u>; and

         presenting the true scale measurement to the user.

7.   (Original) The method of claim 6, wherein the scale information includes an

original scale information of the paper drawing, a dots per inch (DPI) of the digitizing

device, and an original size of the paper drawing.

8.   (Previously Amended) The method of claim 6, wherein the digital raster image is

a TIFF image.

9.   (Previously Amended) The method of claim 8, wherein the scale information is

embedded in a header of the TIFF image.

10.   (Currently Amended) A system for presenting actual scale information of a digital

raster image, comprising:

         a digitizing device that digitizes a paper document to create a digital raster image,

wherein scale information associated with the paper document and the digitizing device is

recorded and embedded in <u>a dedicated location of</u> a header of the digital raster image;

and

a digital image viewer that receives the digital raster image and:

renders the digital raster image,

receives drawing input from a user comprising a line or shape,

calculates a true scale measurement of the drawn line or shape based at least in part on the scale information embedded in said dedicated location of said header of the digital raster image, and

presents the true scale measurement to the user.

11.   (Original) The system of claim 10, wherein the scale information includes an original scale information of the paper drawing, a dots per inch (DPI) of the digitizing device, and an original size of the paper drawing.

12.   (Currently Amended) The system of claim 10, further comprising:

at least one memory operable to store the digital raster image and the ~~embedding~~ embedded scale information as a single file.

13.   (Previously Amended) The system of claim 10, wherein the digital raster image is a TIFF image.

14.   (Original) The system of claim 13, wherein the scale information is embedded in a header of the TIFF image.

15.   (Currently Amended) A digital image viewer for presenting true scale information of a line or a shape drawn on a digital raster image of a paper drawing, wherein the line or shape is defined by pixels having coordinates, comprising:

a measurement calculator that calculates a true scale measurement of the drawn line or shape based at least in part on scale information embedded in a dedicated location of a header of the digital raster image and the coordinates of the pixels defining the line or shape; and

presentation means for displaying the true scale measurement.

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16.   (Original) The system of claim 15, wherein the scale information comprises an
original scale information of the paper drawing, a dots per inch (DPI) of the digitizing
device, and an original size of the paper drawing.

17.   (Previously Amended) The system of claim 16, wherein the measurement
calculator reads the scale information from the header of the digital image.

18.   (Original) The system of claim 15, wherein the digital image is a TIFF image.

19.   (Previously Presented) The method of claim 1, wherein the received drawing
input is a shape, and
wherein calculating a true scale measurement of the drawn shape comprises calculating
the area of the drawn shape.

20.   (Currently Amended) The method of claim 1, wherein receiving drawing input
comprises receiving drawing input in the rendered single digital raster image.